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(54) **Method for increasing the native resolution of an image sensor**

(57) A method (10) for increasing a native resolution of an image sensor (24) utilized in a scanner apparatus (12) to produce image data representative of an object (18), comprising moving at least a portion of an imaging assembly associated with the image sensor (24) along a scanning axis (30) during a first scanning sweep to produce a first image data set (48) representative of the object (18) being scanned, the first image data set having the native resolution; moving said at least a portion of an imaging assembly associated with the image sensor (24) along the scanning axis (30) during a second scanning sweep to produce a second image data set (48) representative of the object (18) being scanned, the second image data set having the native resolution, the positions of the image sensor (24) during the second scanning sweep being displaced from corresponding positions of the image sensor (24) during the first scanning sweep by mechanical free play in the scanner (12); and combining the first image data set and the second image data set to produce a high resolution image data set (54), the high resolution image data set having a resolution that is greater than the native resolution, and an apparatus (34) for performing the method.

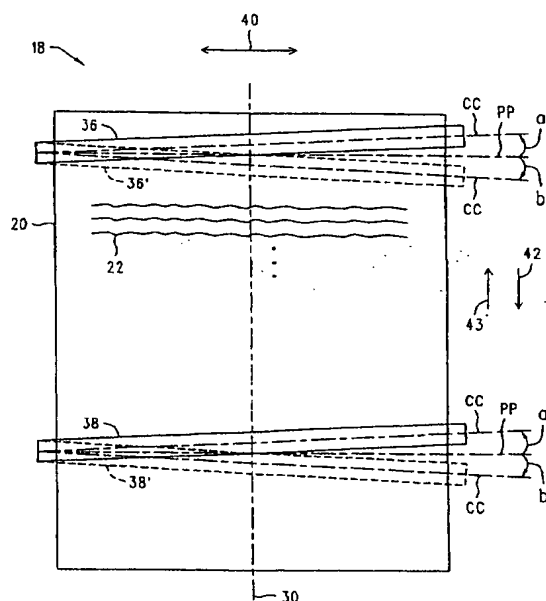


FIG. 7



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EUROPEAN SEARCH REPORT

Application Number
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Place of search THE HAGUE	Date of completion of the search 28 January 2002	Examiner Foraboschi, A
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